

Title (en)

Cable and apparatus interconnection close quarters environmental seal

Title (de)

Nahkontakt-Umweltdichtung zum Anschluss eines Kabels an eine Vorrichtung

Title (fr)

Label écologique à distance rapprochée d'interconnexion de câble et appareil

Publication

EP 1981140 A3 20111019 (EN)

Application

EP 08003911 A 20080303

Priority

US 73315007 A 20070409

Abstract (en)

[origin: EP1981140A2] A sealing assembly for a cable to apparatus electrical interconnection. The assembly having a unitary cylindrical gasket, the outer diameter of the cylindrical gasket provided with an insertion opening to an interconnection cavity; the insertion opening having a generally circle sector shape at a cable end and an apparatus end, the insertion opening extending between the cable end and the apparatus end along the outer diameter. A generally C-shaped outer shell is dimensioned to seat along the outer diameter, the outer shell having outward protruding edge lips aligned with the insertion opening along the outer diameter. The edge lips movable towards one another to a closed position wherein the insertion opening is closed around the electrical interconnection; and means for retaining, such as a locking bar that fits over the edge lips.

IPC 8 full level

H02G 15/113 (2006.01); **H02G 15/013** (2006.01)

CPC (source: EP US)

H02G 15/013 (2013.01 - EP US); **H02G 15/113** (2013.01 - EP US)

Citation (search report)

- [I] US 2771502 A 19561120 - KING JOHN H, et al
- [I] US 4733019 A 19880322 - PICHLER KLAUS [DE], et al
- [I] US 6730846 B1 20040504 - MUELLER THORSTEN [DE]
- [I] US 6231051 B1 20010515 - MUELLER THORSTEN [DE], et al
- [A] DE 1159536 B 19631219 - HOLLANDSCHE DRAAD EN KABELFAB
- [A] US 4701574 A 19871020 - SHIMIRAK GERLAD L [US], et al
- [A] US 3339011 A 19670829 - EWERS JR WILLIAM A, et al
- [A] EP 1058364 A1 20001206 - ANDREW CORP [CH]

Cited by

EP3070797A4; CN102576991A; ITMI20091721A1; US9831655B2; WO2015112435A1; WO2012054147A3; WO2011042128A3; US10259910B2; US9837807B2; US8841553B2; US9543746B2; US10116086B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1981140 A2 20081015; EP 1981140 A3 20111019; CN 101286630 A 20081015; US 2008245547 A1 20081009; US 7453042 B2 20081118

DOCDB simple family (application)

EP 08003911 A 20080303; CN 200810091142 A 20080407; US 73315007 A 20070409